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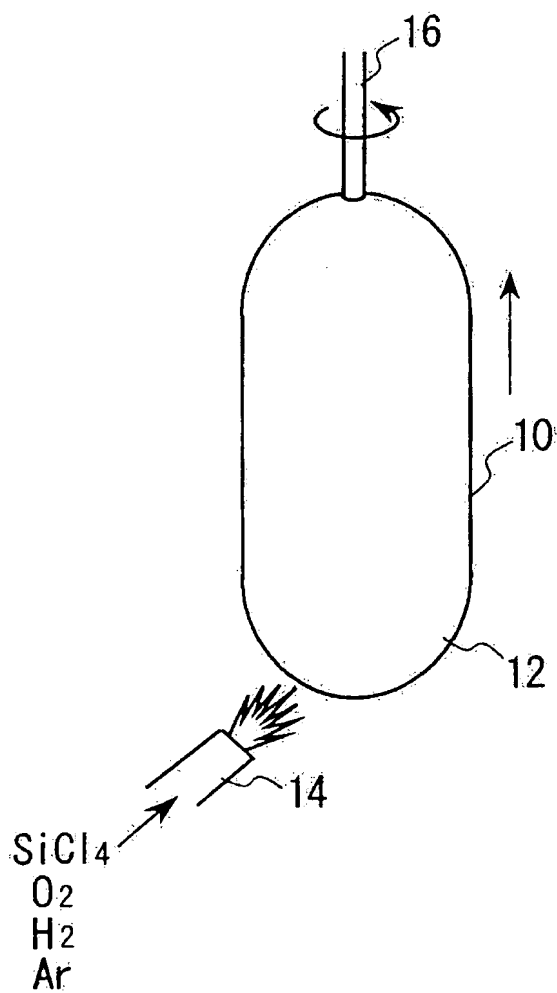


FIG. 1

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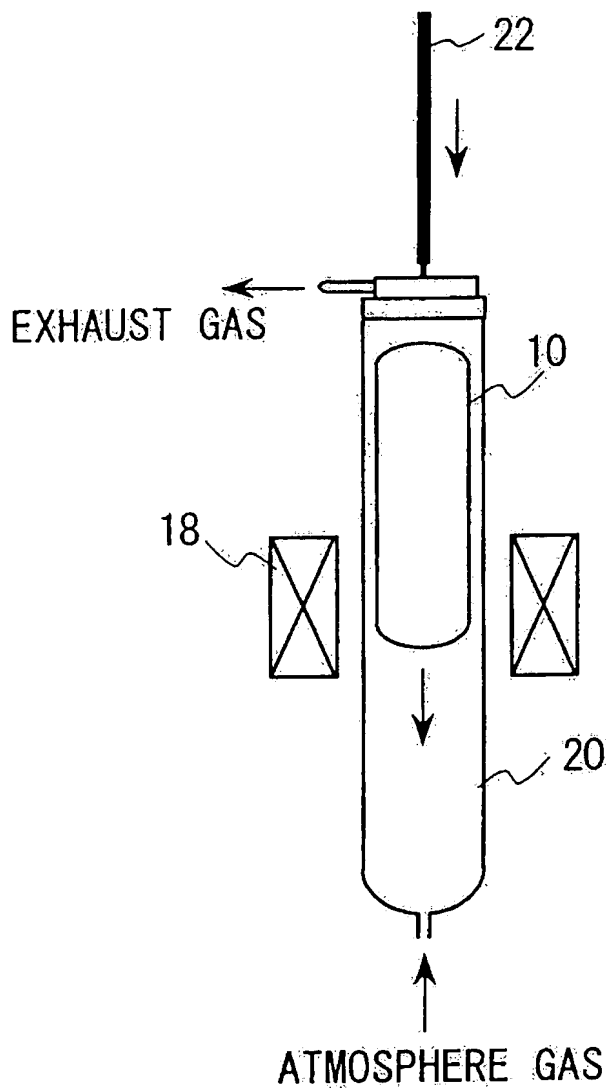


FIG. 2

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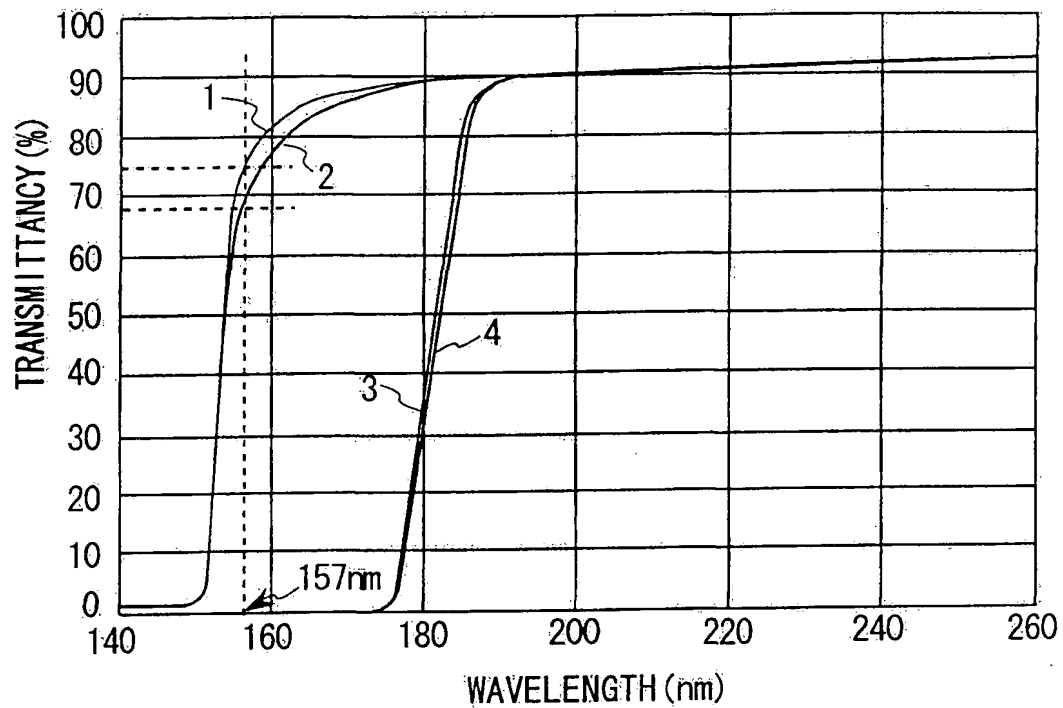
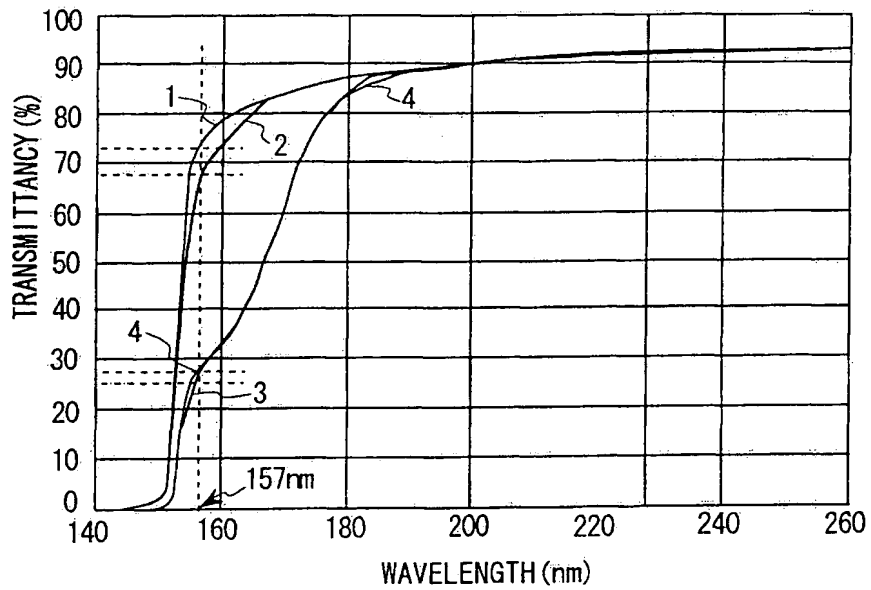


FIG. 3

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	CONDITIONS			REMARKS
		FIRST PROCESS	SECOND PROCESS	
EXAMPLE 1	ATMOSPHERE TEMPERATURE PASSING SPEED	He 3 ℓ/min, H <sub>2</sub> 0.5 ℓ/min 1000°C 3mm/min	SiF <sub>4</sub> 1.6 ℓ/min 1380°C 3mm/min	PRE-HEATING PROCESS WITH H <sub>2</sub>
COMPARATIVE EXAMPLE 1	ATMOSPHERE TEMPERATURE PASSING SPEED	NONE	SiF <sub>4</sub> 1.6 ℓ/min 1380°C 3mm/min	NO PRE-HEATING
COMPARATIVE EXAMPLE 2	ATMOSPHERE TEMPERATURE PASSING SPEED	NONE	SiF <sub>4</sub> 1.6 ℓ/min, H <sub>2</sub> 0.5 ℓ/min 1380°C 3mm/min	NO PRE-HEATING; SINTERING WITH H <sub>2</sub>
COMPARATIVE EXAMPLE 3	ATMOSPHERE TEMPERATURE PASSING SPEED	He 3 ℓ/min, Cl <sub>2</sub> 0.3 ℓ/min 1000°C 3mm/min	SiF <sub>4</sub> 1.6 ℓ/min, H <sub>2</sub> 0.5 ℓ/min 1380°C 3mm/min	DEHYDRATION WITH Cl <sub>2</sub> ; SINTERING WITH H <sub>2</sub>

FIG. 5

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	CONDITIONS			REMARKS
		FIRST PROCESS	SECOND PROCESS	
EXAMPLE 2	ATMOSPHERE TEMPERATURE PASSING SPEED	He 3 ℓ/min, O <sub>2</sub> 1 ℓ/min 1000°C 3mm/min	SiF <sub>4</sub> 1.6 ℓ/min 1380°C 3mm/min	PRE-HEATING PROCESS WITH O <sub>2</sub>
COMPARATIVE EXAMPLE 4	ATMOSPHERE TEMPERATURE PASSING SPEED	NONE	SiF <sub>4</sub> 1.6 ℓ/min 1380°C 3mm/min	NO PRE-HEATING
COMPARATIVE EXAMPLE 5	ATMOSPHERE TEMPERATURE PASSING SPEED	NONE	SiF <sub>4</sub> 1.6 ℓ/min, O <sub>2</sub> 1 ℓ/min 1380°C 3mm/min	NO PRE-HEATING; SINTERING WITH O <sub>2</sub>
COMPARATIVE EXAMPLE 6	ATMOSPHERE TEMPERATURE PASSING SPEED	He 3 ℓ/min, Cl <sub>2</sub> 0.3 ℓ/min 1000°C 3mm/min	SiF <sub>4</sub> 1.6 ℓ/min, O <sub>2</sub> 1 ℓ/min 1380°C 3mm/min	DEHYDRATION WITH Cl <sub>2</sub> ; SINTERING WITH O <sub>2</sub>

FIG. 6